



Presentation:

Basic



Image:

Small



Français



1 of 1

PUBLISHED INTERNATIONAL APPLICATION

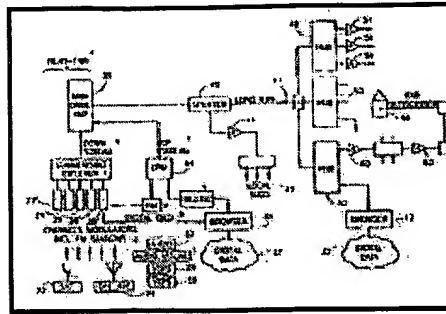
- (11) **WO 02/33969** (13) A1
 (21) **PCT/IL01/00181**
 (22) **27 February 2001 (27.02.2001)**
 (25) ENG (26) ENG
 (31) PCT/IL00/00655 (32) 16 October 2000 (16.10.2000) IL
 (43) 25 April 2002 (25.04.2002)
 (51)⁷ H04N 7/10, 7/173
 (54) **SYSTEM AND METHOD FOR EXPANDING THE OPERATIONAL BANDWIDTH OF A COMMUNICATION SYSTEM**
 (71) **XTEND NETWORKS LTD.** Xtend Networks, Gibor House, Koifman Street 6, 68012 Tel Aviv; (IL). [IL/IL].(for all designated States except US)
 (72)(75) **WEINSTEIN, Hillel** Tel Mane Street 3, 34363 Haifa; (IL) [IL/IL].**ORBACH, Zeev** Zvi Segal Street 41B, 78484 Ashkelon; (IL) [IL/IL].
 (74) **AGMON, Jonathan** Soroker - Agmon, Law Offices, 12th floor, Levinstein Tower, Petach Tikva Road 23, 66184 Tel Aviv; (IL).
 (81)
 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
 (84)
 ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG)

[For information on time limits for entry into the national phase please click here](#)

Published *with international search report*

Abstract

A transmission network system includes a head end for generating a downstream signal having a substantially expanded range of frequencies, a communication medium, such as a fiber optic cable and coaxial cable coupled to the head end section for routing the signal through the transmission network to a plurality of subscribers, and compensation units coupled to operative components of the system for receiving the transmitted signals, selectively amplify and attenuate the signal levels within the substantially expanded range frequencies, and forwarding the signals to the subscribers. The system is enhanced to have improved information-carrying capabilities by the utilization of a broadband signal by the modulation of the signal across a substantially expanded range of frequencies and by the transmission of the signal via a series of operative network particles selectively modified or added to the cable plant in order to provide suitable processing of the signal elements spread over the entire spectrum of the substantially expanded frequency range.



Presentation:

Basic



Image:

Small



Français



1 of 1